

1. Approving Civil Aviation Authority/Country: **2.** **3.** Form Tracking Number: **19213**

4. Organization Name and Address: **The Fuel Cell, Inc.**
 7841 NW 56th Street
 Doral, FL 33166
 Ph: 954-776-7555, Fax: 954-776-2724

5. Work Order/Contract/Invoice Number: **RT-85668-0033**

6. Item 7. Description: 8. Part Number: 9. Quantity: 10. Serial Number: 11. Status/Work:

1	PUMPING UNIT ASSEMBLY	5006003D	1	1995	OVERHAULED
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12. Remarks: The article / part identified above was OVERHAULED in accordance with current Federal Aviation Regulations, is airworthy with respect to the work performed, and is approved for return to service. Pertinent details of work accomplished are on file at this agency under Work Order No W121090. Technical Data Reference: HAMILTON SUNDSTRAND CMM ATA 28-22-02 Rev. 20 dated 3/24/2010.

No feed through connector maintenance performed on this date. Replacement of the feed-through connectors required by AD 2009-23-04 each 96 months or 40,000 hours whichever comes first. The Pump data plate is identified with 28-A4 and 11/27/12. INSTALLER MUST VERIFY MONTHS/HOURS TO DETERMINE APPLICABILITY OF AD 2009-23-04 AND ELIGIBILITY OF PUMP PRIOR TO INSTALLATION. NDT PERFORMED BY E&I AIRCRAFT #E31R752J.

*The Fuel Cell Inc. certifies that the work specified in Blocks 11 and 12 was carried out in accordance with FAA Part-145 and with respect to that work the aircraft component is considered ready for release to service under EASA Part-145 Approval Number EASA.145.4930.

13a. Certifies the items identified above were manufactured in conformity with applicable regulations. Approved design data and are in a condition for safe operation. Other regulation specified in Block 12 Non-approved design data specified in Block 12

14a. 14 CFR 43.9 Return to Service Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature: 13c. Approval Authorization No: 14b. Authorized Signature: 14c. Approval/Certificate No: F6ER787N

13d. Name (Typed or Printed): 13e. Date (dd/mm/yyy): 14d. Name (Typed or Printed): JOHN THOMSON 14e. Date (dd/mm/yyy): 03/Jun/2019

User/Installer Responsibilities

It is reported that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

When the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is the user/installer's responsibility to ensure that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statement in Blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

The Fuel Cell, Inc.

7841 NW 36th Street
Doral, FL 33126
Ph: 954-776-7555, Fax: 954-776-2724

Work Order

Original

Work Order #: W121090

Date Printed: 6/3/2019

Time: 1:40:37 PM

Page: 1

To:

ANA TRADING CORP. U.S.A.
ALL NIPPON AIRWAY (ANA) GROUP
SURPLUS MATERIAL TEAM
3625 DEL AMO BLVD SUITE 300 M/S 10
TORRANCE, CA 90503

Ship To:

ANA TRADING CORP. U.S.A.

Ref #: RT-8568-0033

P/N: 5006003D

S/N: 1995

Description: JUMPING UNIT ASSEMBLY Phone #: 310-965-8140

CP#:

Qty:

Fax #: 310-324-2478

CMM#: 163

Email:

Mfg: HAMILTON SUNSTRAND

Work Req: OVERHAUL

Entry Date: 5/9/2019

Need Date: 5/9/2019

Compl. Date:

Warranty: No

Container: NO

1) PRELIMINARY INSPECTION

CMM REVISION AND DATE: RE / 20 03/ 2010

HIDDEN DAMAGE INSPECTION: NO

REASON: N/A

CUSTOMER SUPPLIED DATA: NO

DOCUMENT TYPE OR #: N/A

A.D.s APPLY: YES

A.D. #: 2007-04-16/2009-23-04

S.B.s APPLY: YES

S.B. #: SEE AD STATEMENTS ON SECTION 6

NO VISIBLE DEFECTS NOTED.

UNIT DAMAGED / MISSING PART(S): PUSH ROD IS BENT

OTHER: NO DER/PMA WITHOUT APPROVAL

INSPECTOR: BRUCE MASON

DATE: 05/10/2019

2) PRETEST

UNIT PASSED TESTING / DETAILS:

UNIT FAILED TESTING / DETAILS:

PRETEST N/A / REASON: CUSTOMER REQUESTS OVERHAUL

UNABLE TO PRETEST / REASON:

TECHNICIAN: JEREMY BACCHUS

DATE: 05/10/2019

INSPECTOR: BRUCE MASON

DATE: 05/10/2019

3) TEARDOWN / INSPECTION

FINDINGS:

DISASSEMBLED, CLEANED AND INSPECTED FOUND THE FOLLOWING:

PUSH ROD IS BEND AND JOURNAL BEARING IN THE PUMP COVER IS NOT WITHIN LIMITS. NDT REQUIRED ON PUMP COVER, IMPELLER, THRUST WASHER, DRIVE SPACER, REPRIME ROTOR, PORT PLATE. CONNECTOR AND GROMMET LAST REPLACED ON 11/27/12. 100% KIT AND MISC HARDWARE.

TECHNICIAN: JEREMY BACCHUS

DATE: 05/13/2019

INSPECTOR: BRUCE MASON

DATE: 05/13/2019

4) CORRECTIVE ACTION

TECHNICIAN:

DATE:

OVERHAULED AND REASSEMBLED UNIT USING ABOVE LISTED PARTS I/A/W MFG AND CUSTOMER SPECIFICATIONS.

SHAVARIS MCCULLOUGH

05/31/2019

The Fuel Cell, Inc.

7841 N. 56th Street
Doral, FL 33166
Ph: 954-766-7555, Fax: 954-776-2724

Work Order

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Work Order #: W121090

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To:

ANA TRADING CORP. U.S.A.
ALL NIPPON AIRWAYS (ANA) GROUP
SURPLUS MATERIAL TEAM
3625 DEL AMO PARK, SUITE 300 M/S 10
TORRANCE, CA 90503

Ship To:

ANA TRADING CORP. U.S.A.

Ref #: RT-8568-0033

Description: PUMPING UNIT ASSEMBLY Phone #: 310-965-8140

Email:

P/N: 5006003D

SPN:

Fax #: 310-324-2478

Mfg: HAMILTON SUNSTRAND

S/N: 1995

CMM#: 163

Work Req: OVERHAUL

Entry Date: 5/9/2019

Need Date: 5/9/2019

Compl. Date:

Warranty: No

Container: NO

INSPECTOR:

BRUCE MASON

DATE:

05/31/2019

5) TESTING / INSPECTION

TEST / INSPECTION DATE:

05/31/2019

PASSED

TEST / INSPECTION DATA

MANUFACTURER:

HAMILTON SUNSTRAND

ATA:

28-22-02

REVISION:

20

REVISION DATE:

03/24/2010

CUSTOMER DATA:

N/A

TECHNICIAN:

SHAVARIS MCCULLOUGH

DATE:

05/31/2019

INSPECTOR:

BRUCE MASON

DATE:

05/31/2019

6) ADDITIONAL COMMENTS

NO FEED THROUGH CONNECTOR MAINTENANCE PERFORMED ON THIS DATE. REPLACEMENT OF THE FEED THROUGH CONNECTOR IS REQUIRED BY AD 2009-23-04 EACH 96 MONTHS OR 40,000 HOURS, WHICHEVER COMES FIRST. THE PUMP DATA PLATE IS IDENTIFIED WITH 28-A4 AND 11/12. INSTALLER MUST VERIFY MONTHS/HOURS TO DETERMINE APPLICABILITY OF AD 2009-23-04 AND ELIGIBILITY OF PUMP PRIOR TO INSTALLATION.

MAINT SVC NDT CONTRACTOR E & I AIRCRAFT P/N # 3EIR752J

TECHNICIAN:

SHAVARIS MCCULLOUGH

DATE:

05/31/2019

INSPECTOR:

BRUCE MASON

DATE:

05/31/2019

7) MAINTENANCE RELEASE

THE ARTICLE IDENTIFIED ABOVE WAS OVERHAULED I/A/W FEDERAL AVIATION REGULATIONS, IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE. DETAILS OF WORK ACCOMPLISHED ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NUMBER W121090.

BY:



DATE:

06/03/2019